

Serial No. 10/729,388
Wakefield, et al.
Filed December 5, 2003

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Response to Office Action
Examiner: Mark A. Radke
Group Art Unit: 2165

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INVENTORS: Todd D. Wakefield and David L. Bean
TITLE: Visualization of Integrated Structured and Unstructured Data
FILING DATE: December 5, 2003 **EXAMINER NAME:** Mark A. Radke
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Commissioner for Patents
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REMARKS

A terminal disclaimer is attached to overcome the double patenting rejection.
The claim objection has been addressed through the amendment above.

Applicant traverses the section 103 rejection as Applicant does not believe a prima facie case of obviousness has been established. Neither the Budzinski patent nor the Khalfay patent discloses a system for producing structured records from free text and giving them visual representation as claimed by Applicant.

Budzinski discloses a knowledge representation and question and answer system. A user inputs information into the system and subsequently inputs and the system performs a primarily semantic parse of the information (with no thematic identification) and then maps the interpreted information to a graph representation of knowledge. A user subsequently inputs a

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question into the system, the system parses the question, and if the question pertains to a topic encompassed by the information previously input, the systems attempts to map the interpreted question to one of the system's existing graph representations of knowledge. Further processing that produces a path through the graph that then gets mapped back out to English through a language generation process. This is a completely different field than the instant invention. Applicants' invention does not teach question-answering, knowledge representation systems, or language generation process which are what Budzinski is about.

The Khalfay patent discloses only a system for automatically generating user interfaces. He does not disclose creating a visual representation of integrated data that includes extracted attributes from the free text portion of data records that are related to the structured portion of data records. Khalfay is in a completely different field and should be withdrawn. However, if Khalfay is combined with Budzinsky, all that results is a knowledge representation system that has automatically generated user interfaces. The elements of Applicants invention are not met by this combination.

Applicant has recited "accessing a database of structured and data, reading customer records from said database, a record including a structured data portion and a free text portion." Neither Budzinski nor Khalfay disclose any processing of customer data whatsoever, and they do not disclose the processing steps that Applicant applies to customer data.

Applicant has also recited:

- "linguistically parsing the identified text records;
- identifying thematic roles and relationships within the parsed text records;
- applying caseframes to the linguistic parse and thematic identifications producing attribute extractions, each of said attribute extractions containing attribute information of the derived source text".

These three steps are simply not found in Budzinsky or Khalfay because they are not utilizing linguistic parsing of text that is mixed with structured data, identifying thematic roles and

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relationships, applying caseframes and thematic identifications, and producing attribute extractions. No matter how hard we look at Budzinsky and Khalfay those elements are simply not there.

Applicant has also recited:

"integrating the extractions with the structured data, said integrating step producing integrated data;

and

rendering at least one visual representation of the integrated data."

These steps are also not performed by Budzinski and Khalfay. At no point do they integrate extractions back to the structured data and create a visual representation of the integrated data.

Consequently, a prima facie case of obviousness has not been established.

Reconsideration is requested.

Respectfully submitted this 18th day of November, 2006.



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